Hα SOLAR FLARES

APRIL 2006

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
HOLL	06	2038	2041	2057	S05	W62	10865	04	2.2	19	1N		3	E		155		FE
LEAR	11	0437	0438	0441	S07	E17	10870	04	12.5	4	SF		3	E		41		FH
HOLL		1816E	1820	1846	S08	E40	10871	04	14.8	30D	1N		3	E		123		FH
LEAR	24	0901	0903	0905	S07	E68	10875	04	29.5	4	SF		3	E		36		UF
LEAR		0906	0908	0921	S08	E68	10875	04	29.5	15	SF		3	E		34		UF
LEAR	26	0603	0604	0607	S10	E45	10875	04	29.6	4	SF		3	E		17		FH
HOLL		1349	1353	1417	S10	E38	10875	04	29.4	28	SF		3	E		54		FE
HOLL		1436	1454	1524	S07	E39	10875	04	29.5	48	SF		3	E		92		FE
HOLL		1702	1702	1733	S11	E38	10875	04	29.6	31	1F		3	E		140		FE
HOLL	27	1547	1550	1653	S11	E21	10875	04	29.2	66	1N		3	E		233		ZF
LEAR	28	0822	0822	0839	S07	E16	10875	04	29.5	17	SF		3	E		11		UF
HOLL	29	1834	1834	1839	S05	W05	10875	04	29.4	5	SF		3	E		11		F
LEAR	30	0203E	0203U	0209	N15	E71		05	5.5	6D	SF		3	E		37		FH
LEAR		0917	0926	0939	S10	E09	10876	05	1.1	22	SF		3	E		42		UF

"Remarks"

A = Eruptive prominence whose base is less than 90 degrees from central meridian.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No visible spots in the neighborhood.
H = Flare accompanied by high-speed dark filament.
I = Active region very extended.
J = Distinct variations of plage intensity before or after the flare.
K = Several intensity maxima.
L = Existing filaments show signs of sudden activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the H and K lines of Ca II.
P = Flare shows Helium D3 in emission.
Q = Flare shows Balmer continuum in emission.
R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
S = Brightness follows disappearance of filament in same position.
T = Region active all day.
U = Two bright branches, parallel or converging.
V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide H-alpha line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual

NOTE: Beginning with the February 2005 data, only H-alpha flares are included in this table. Because the number of H-alpha patrols are dwindling and emphasis is now on the X-ray flare reports, a separate table of solar X-ray flares is now produced.